

Fig: I.

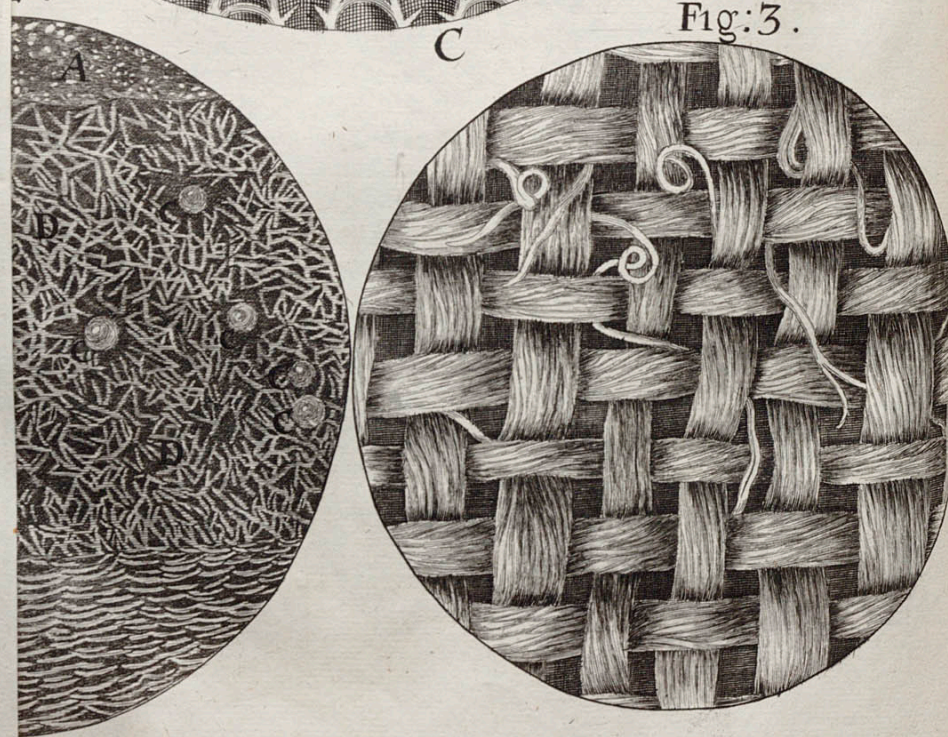
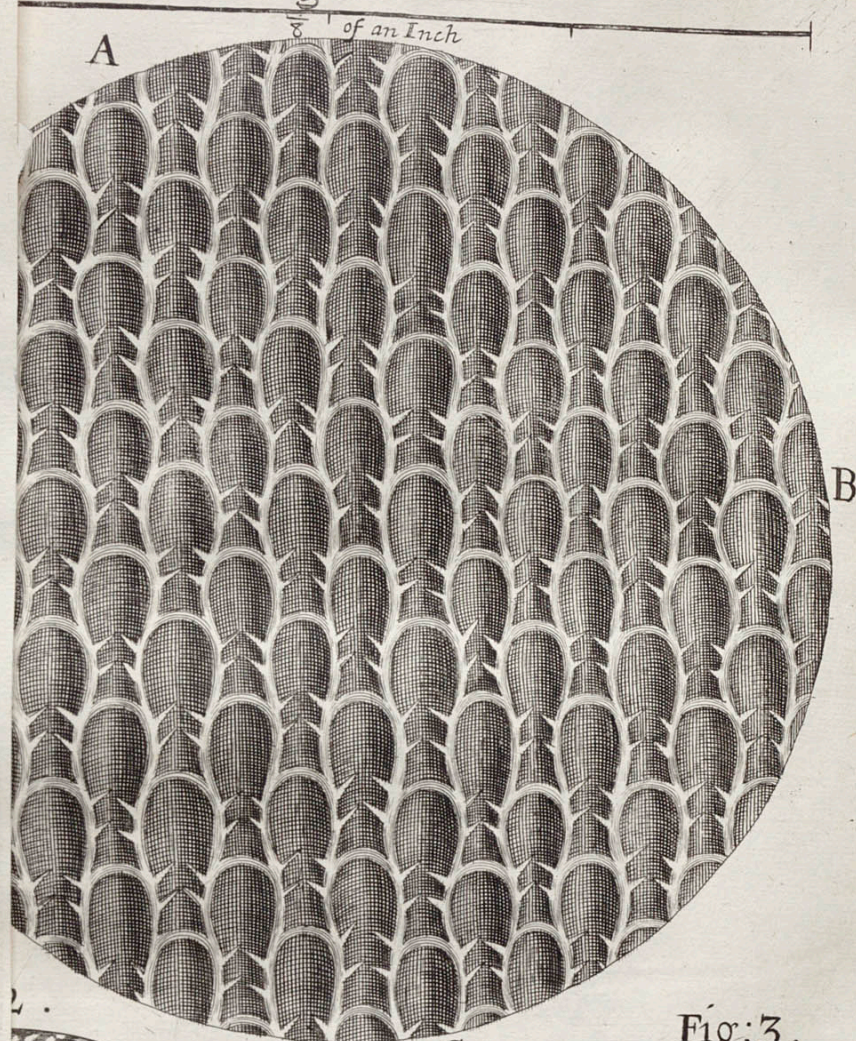


Fig: 3.

the rows of pores crossing one another, much after the manner as the rows of eyes do which are describ'd in the 26. Scheme: Coralline also, and several sorts of white Coral, I have with a *Microscope* observ'd very curiously shap'd. And I doubt not, but that he that shall observe these several kinds of Plants that grow upon Rocks, which the Sea sometimes overflows, and those heaps of others which are vomited out of it upon the shore, may find multitudes of little Plants, and other bodies, which like this will afford very beautifull objects for the *Microscope*; and this specimen here is adjoin'd onely to excite their curiosities who have opportunity of observing to examine and collect what they find worthy their notice; for the Sea, among terrestrial bodies, is also a *prolific* mother, and affords as many Instances of *spontaneous* generations as either the Air or Earth.

Observ. XXIV. Of the surfaces of Rosemary, and other leaves.

This which is delineated within the circle of the second Figure of the 14. Scheme, is a small part of the back or under side of a leaf of Rosemary, which I did not therefore make choice of, because it had any thing peculiar which was not observable with a *Microscope* in several other Plants, but because it exhibits at one view,

First, a smooth and shining surface, namely, A B, which is a part of the upper side of the leaf, that by a kind of hem or doubling of the leaf appears on this side. There are multitudes of leaves, whose surfaces are like this smooth, and as it were quilted, which look like a curious quilted bagg of green Silk, or like a Bladder, or some such pliable transparent substance, full stuffed out with a green juice or liquor; the surface of Rue, or Herbgrass, is polish'd, and all over indented, or pitted, like the Silk-worm's Egg, which I shall anon describe; the smooth surfaces of other Plants are otherwise quilted, Nature in this, as it were, expressing her Needle-work, or imbroidery.

Next a downy or bushy surface, such as is all the under side almost, appearing through the *Microscope* much like a thicket of bushes, and with this kind of Down or Hair the leaves and stalks of multitudes of Vegetables are covered; and there seems to be as great a variety in the shape, bulk, and manner of the growing of these secondary Plants, as I may call them (they being, as it were, a Plant growing out of a Plant, or somewhat like the hairs of Animals) as there is to be found amongst small shrubs that compose bushes; but for the most part, they consist of small transparent parts, some of which grow in the shape of small Needles or Bodkins, as on the Thistle, Cowage-cod and Nettle; others in the form of Cat's claws, as in Cliders, the beards of Barley, the edges of several sorts of Grass and Reeds, &c. in other, as Coltsfoot, Rose-campion, Aps, Poplar, Willow, and almost all other downy Plants, they grow in the form of bushes very much diversify'd in each particular Plant. That which I have before